AMENDMENTS TO THE CLAIMS

Please amend claims 1 and 13. Please cancel claim 9 without prejudice or disclaimer. Claims 17-54 have been withdrawn. All other original claims are unchanged. Please add new claim 55-68.

1. (Currently Amended) A copper alloy, consisting essentially of, by weight:

from 0.15% to 0.7% of chromium;

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from 0.005% to 0.3% of silver;

from 0.01% to 0.15% of titanium;

from 0.01% to 0.10% of silicon;

up to 0.2% of iron;

up to 0.5% of tin;

optionally, from 0.001% to 0.1% of a deoxidizer selected from the group consisting of boron, lithium, calcium and the rare earth metals; and

the balance copper and inevitable impurities, wherein said copper alloy is essentially zirconium-free and has an electrical conductivity of at least 80% IACS, said copper alloy further having substantially homogeneous recrystallized grains and a microstructure commensurate with having been cold rolled prior to solution annealing.

2. (Original) The copper alloy of claim 1, consisting essentially of, by weight:

from 0.25% to 0.6% of chromium;

from 0.015% to 0.2% of silver;

from 0.01% to 0.08% of titanium;

from 0.01% to 0.10% of silicon;

less than 0.1% of iron;

up to 0.25% of tin; and

the balance copper and inevitable impurities.

3. (Original) The copper alloy of claim 2 having a maximum of 0.065% of titanium.

4. (Original) The copper alloy of claim 2 having a minimum of 0.05% of titanium.

5. (Original) The copper alloy of claim 2, consisting essentially of, by weight:

from 0.3% to 0.55% of chromium;

from 0.08% to 0.13% of silver;

from 0.02% to 0.065% of titanium;

from 0.02% to 0.05% of silicon;

from 0.03% to 0.09% of iron;

less than 0.05% of tin; and

the balance copper and inevitable impurities.

6. (Original) The copper alloy of claim 1 wherein a ratio, by weight, of iron to titanium, Fe:Ti, is from 0.7:1 to 2.5:1.

7. (Original) The copper alloy of claim 6 where Fe:Ti is from 0.9:1 to 1.7:1.

8. (Original) The copper alloy of claim 6 wherein at least a portion of the iron is replaced with cobalt on a 1:1, by weight, basis.

9. (Cancelled)

10. (Original) The copper alloy of claim 1 having a Quality Function Deployment, QFD, value in excess of 50 for both automotive and multimedia applications.

11. (Original) The copper alloy of claim 1 further containing from 0.05% to 0.2%, by weight, of magnesium.

12. (Original) The copper alloy of claim 10 formed into an electrical connector.

13. (Currently Amended) The copper alloy of claim 12 ~~formed into a box-type~~ wherein said electrical connector has a box shape.

14. (Original) The copper alloy of claim 10 formed into a leadframe.

a3

15. (Original) The copper alloy of claim 1 formed into a rod.

16. (Original) The copper alloy of claim 1 formed into a wire.

Q3

55. (New) A copper alloy, consisting of, by weight:

Q4

from 0.15% to 0.7% of chromium;
from 0.005% to 0.3% of silver;
from 0.01% to 0.15% of titanium;
from 0.01% to 0.10% of silicon;
up to 0.2% of iron;
up to 0.5% of tin; and
the balance copper and inevitable impurities, wherein said copper alloy has an electrical conductivity of at least 80% IACS.

56. (New) The copper alloy of claim 1, consisting of, by weight:

from 0.25% to 0.6% of chromium;
from 0.015% to 0.2% of silver;
from 0.01% to 0.08% of titanium;
from 0.01% to 0.10% of silicon;
less than 0.1% of iron;
up to 0.25% of tin; and
the balance copper and inevitable impurities.

57. (New) The copper alloy of claim 56 having a maximum of 0.065% of titanium.

58. (New) The copper alloy of claim 56 having a minimum of 0.05% of titanium.

59. (New) The copper alloy of claim 56, consisting of, by weight:
from 0.3% to 0.55% of chromium;
from 0.08% to 0.13% of silver;
from 0.02% to 0.065% of titanium;
from 0.02% to 0.05% of silicon;
from 0.03% to 0.09% of iron;
less than 0.05% of tin; and
the balance copper and inevitable impurities.

60. (New) The copper alloy of claim 55 wherein a ratio, by weight, of iron to titanium, Fe:Ti, is from 0.9:1 to 1.1:1.0.7:1 to 2.5:1.

61. (New) The copper alloy of claim 60 where Fe:Ti is about 1:1.from 0.9:1 to 1.7:1.

62. (New) The copper alloy of claim 60 wherein at least a portion of the iron is replaced with cobalt on a 1:1, by weight, basis.

63. (New) The copper alloy of claim 55 having a Quality Function Deployment, QFD, value in excess of 50 for both automotive and multimedia applications.

64. (New) The copper alloy of claim 63 formed into an electrical connector.

65. (New) The copper alloy of claim 64 formed into a box-type connector.

66. (New) The copper alloy of claim 63 formed into a leadframe.

67. (New) The copper alloy of claim 55 formed into a rod.

68. (New) The copper alloy of claim 55 formed into a wire.